

# Oil Field Environmental Incident Summary

**Incident:** 20150622075625      **Date/Time of Notice:** 06/22/2015 07:56  
**Responsible Party:** PETRO HARVESTER OPERATING COMPANY, LLC  
**Well Operator:** PETRO HARVESTER OPERATING COMPANY, LLC  
**Well Name:** PEDERSEN 44-11H  
**Field Name:** CARTER      **Well File #:** 14844  
**Date Incident:** 6/21/2015      **Time Incident:** 08:00      **Facility ID Number:**  
**County:** BURKE      **Twp:** 162      **Rng:** 90      **Sec:** 11      **Qtr:** SE SE  
**Location Description:** 450' FSL & 400' FEL Section 11-162N-90W

**Submitted By:** Gary Watson      **Received By:**

**Contact Person:** Mark Bonnie  
103 1st Avenue NE  
Mohall, ND 58761

**General Land Use:** Cultivated

**Affected Medium:** Soil and Water

**Distance Nearest Occupied Building:** 2900 Feet

**Distance Nearest Water Well:** 2900 Feet

**Type of Incident:** Other

**Release Contained in Dike:** No

**Reported to NRC:** No

	Spilled	Units	Recovered	Units	Followup	Units
Oil						
Brine	50	Barrels				
Other						

**Description of Other Released Contaminant:**

**Inspected:**      **Written Report Received:** 4/4/2016      **Clean Up Concluded:** 6/24/2015

## Risk Evaluation:

There is no immediate explosive or health hazard risk. There was no oil sheen on the surface of the slough waters.

## Areal Extent:

Released fluids drained off the well/facility location into an adjoining isolated slough- 750'x250'.

**Potential Environmental Impacts:**

The released fluids drained off the well/facility location into an adjoining slough on the south side of the location. There was no oil sheen on the surface of the slough waters.

**Action Taken or Planned:**

Jim Potts - NDIC Field Inspector was notified telephonically. Burke County Emergency Management and the Burke County Sheriffs Department were notified and visited the location. A temporary earthen dike was constructed on the well/facility site to stop any additional released fluids from draining off the location. A water sample from the slough was collected on 06-21-15 at 3:00 pm and will be analyzed for chloride concentration. The affected soil on the location will be scraped-up, collected and disposed of at an approved waste disposal site. The NDDH and USFWS will be contacted and notified of the event. The landowner / tenant farmer will be identified, contacted and notified of the event. Based on the analysis of the collected water sample, a remediation plan will be considered and reviewed with the NDIC, NDDH and USFWS.

**Wastes Disposal Location:** An approved waste disposal facility.

**Agencies Involved:** Burke County Sheriffs Department, Burke County Emergency Management

**Updates**

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**Date:** 6/22/2015    **Status:** Inspection

**Author:** Espe, Brady

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

I arrived at the site at 13:04 p.m. The weather was clear, 68°F, with the wind from the northwest 10-15 mph. The well pad is located in the southeast corner of the section. There is a wetland located mostly on the south side and a little on the west side of pad. This wetland is intersected by the section line roads. The wetland is located in the corner of all four corners of the sections. The wetland appears that if high enough that it could flow into another low spot in the field that is located southeast of pad. Currently the wetland is contained into the corners of the sections. I contacted the company representative that submitted the report. He indicated that the spill occurred from the stuffing box, a valve was turned causing the stuffing box to leak when unit turned on. He indicated that the leaked fluid went west. They trapped the runoff on the west and north side of pad with a dirt dike. They have pumped about twenty five barrels from this area. Water samples have been taken. The soil will be removed around the pump unit that was impacted. Four water samples were collected for laboratory analysis. 1. Area of slough just west of flare (field measurements - EC 1852 us/cm, Cl - <223 ppm); 2. Area north of dirt dam, water held on pad (field measurements - EC 8970 us/cm, Cl - 2,226 ppm); 3. Background slough area east of section road across from pad (field measurements - EC 796us/cm, Cl - <31 ppm); 4. Southeast corner of slough on same side of as pad (field measurements - EC 565 us/cm, Cl - <31 ppm). I called the company representative to let him know the field measurements, he indicated that they will pump out the water being held on the pad. More follow-up needed.

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**Date:** 6/22/2015    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Received photos from Burke Co. EM of incident.

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**Date:** 6/22/2015    **Status:** Reviewed - Follow-up Required

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Release, due to unspecified cause, was not contained on location, according to the report and conversation with Burke Co. emergency manager who was on-site. Follow-up is necessary.

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**Date:** 8/2/2016    **Status:** Inspection

**Author:** Washek, Sandi

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Arrived on site at 4:06 p.m. Weather was sunny with wind out of the SW at 10 mph and temperature of 84 degrees F. There is a slough located along the pad's south side. The water is low but has a healthy growth of cattails. NDDoH inspector collected water samples of the slough water for Group 190 analytical.

Also conducted chloride strips testing. Results for the slough closest to the well pad was 1.4, or less than 31 parts per million (ppm). The slough located south of the road south of the pad showed results of 1.0 or less than 31 ppm.

Observation of the south slough water showed water bugs (such as boat bugs), ducks and young ducklings, and wading birds all using the slough.

Awaiting analytical results of the water for follow-up.